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(21) International Application Number: PCT/US97/09099 (22) International Filing Date: 30 May 1997 (30.05.97) (30) Priority Data: 60/018,733 31 May 1996 (31.05.96) US 60/015,869 31 May 1996 (31.05.96) US (60) Parent Applications or Grants (63) Related by Continuation US 60/018,733 (CIP) Filed on 31 May 1996 (31.05.96) US 60/015,869 (CIP) Filed on 31 May 1996 (31.05.96) (71) Applicant (for all designated States except US): THE SCRIPPS RESEARCH INSTITUTE [US/US]; 10550 North Torrey Pines Road, La Jolla, CA 92037 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BROOKS, Peter [US/US]; Apartment 6113, 3550 Lebon Drive, San Diego, CA 92122 (US). CHERESH, David, A. [US/US]; 2108 Sea Village Circle, Cardiff, CA 92007 (US). FRIEDLANDER, Martin [US/US]; 1720 Zapo Street, Del Mar, CA 92014 (US).		(74) Agents: FITTING, Thomas et al.; The Scripps Research Institute, 10550 North Torrey Pines Road, TPC-8, La Jolla, CA 92037 (US). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: METHODS AND COMPOSITIONS USEFUL FOR INHIBITION OF $\alpha_v\beta_5$ MEDIATED ANGIOGENESIS (57) Abstract The present invention describes methods for inhibiting angiogenesis in tissues using vitronectin $\alpha_v\beta_5$ antagonists. The $\alpha_v\beta_5$ -mediated angiogenesis is correlated with exposure to cytokines including vascular endothelial growth factor, transforming growth factor- α and epidermal growth factor. Inhibition of $\alpha_v\beta_5$ -mediated angiogenesis is particularly preferred in vascular endothelial ocular neovascular diseases, in tumor growth and in inflammatory conditions, using therapeutic compositions containing $\alpha_v\beta_5$ antagonists.		

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